

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF AN ADDITIONAL SIGNAL HEAD ON NB MD 201 AND THE INSTALLATION OF NEARSIDE SIGNAL HEAD ON WB RIVERDALE ROAD. EXISTING YELLOW SIGNAL HEADS ARE TO BE UP GRADED TO BLACK FACE HEADS AND PRESENCE DETECTION IS TO BE UPGRADED TO VIDEO DETECTION.

INTERSECTION OPERATION

NO CHANGE TO INTERSECTION OPERATION.

CONTROLLER REQUIREMENTS

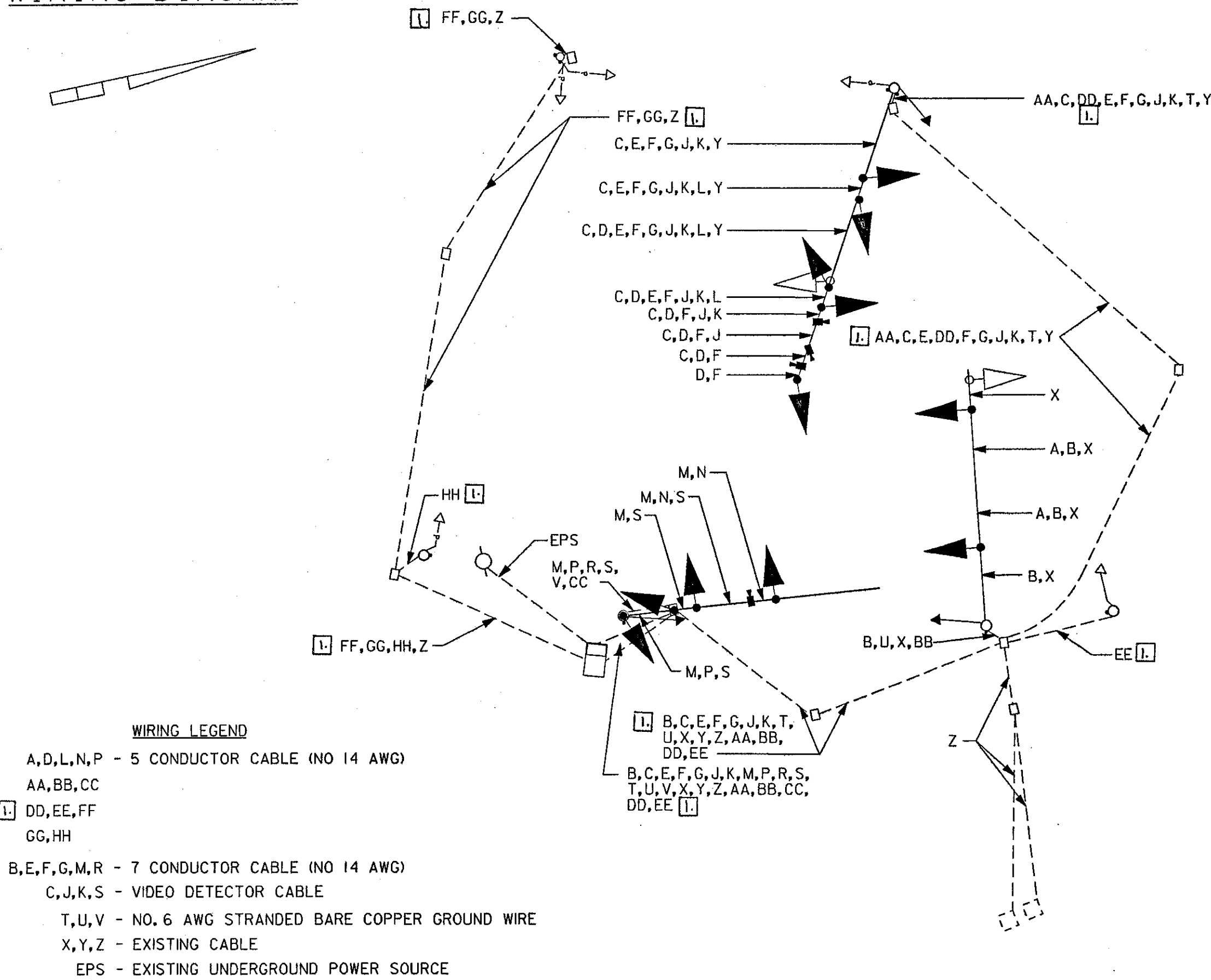
THE EXISTING CONTROLLER, AMPLIFIERS AND ASSOCIATED HARNESS WILL REMAIN. VIDEO DETECTION WILL REPLACE ALL PRESENCE LOOP DETECTORS. SET-BACK LOOPS ALONG WB RIVERDALE ROAD WILL REMAIN. THE SHA SIGNAL SHOP WILL INSTALL VIDEO INTERFACE EQUIPMENT IN THE EXISTING CONTROLLER.

PHASE CHART

NO CHANGE TO PHASING.

ADD PHASE 22 ALT. PHASE 22 ALT. CHANGE, PHASE 26 ALT. AND PHASE 26 ALT. CHANGE FOR PED. CROSSING AT RIVERDALE ROAD.

WIRING DIAGRAM



NOT TO SCALE

EQUIPMENT LIST 'A'

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QTY.	DESCRIPTION
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
9570	24 SF	SHEET ALUMINUM GROUND MOUNTED SIGN: <ul style="list-style-type: none">- R95-1 MOD (24"X48")- W11-2 (30"X30") FYG, M6-1R (21"X15") FYG- R3-8 (30"X30")
9571	82 SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN: <ul style="list-style-type: none">- M95-2 MOD (W/M6-3 ARROW) (24"X60")- ASSOCIATED SHIELD ASSEMBLY (30"X51"), POLE MOUNT, CONSISTING OF:<ul style="list-style-type: none">M3-1 (24"X12"), M1-5 (30"X24"), M6-1 (21"X15")M3-3 (24"X12"), M1-5 (30"X24"), M6-1 (21"X15")- ASSOCIATED SHIELD ASSEMBLY (48"X75"), POLE MOUNT, CONSISTING OF:<ul style="list-style-type: none">M3-3 (30"X15"), M1-5 (48"X36"), M5-1 (30"X24")M3-1 (30"X15"), M1-5 (48"X36"), M5-1 (30"X24")

EQUIPMENT LIST 'B'

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QTY.	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
5001	215 LF	5 INCH HEAT APPLIED WHITE PERMENANT PREFORMED THERMOPLASTIC PAVEMENT MARKING
5003	185 LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS - ANY WIDTH
5004	1 EA	REMOVAL OF EXISTING PERMENANT PAVEMENT MARKING LETTERS, SYMBOLS, ARROWS AND NUMBERS
5008	2 EA	HEAT APPLIED WHITE PERMENANT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROWS
8002	3 EA	12 INCH PEDESTRIAN SIGNAL HEAD SECTION
8007	1 EA	CONTROL CABLE, 100 FOOT, VIDEO DETECTION
8010	3 EA	CONTROL CABLE, 400 FOOT, VIDEO DETECTION
8019	1 EA	REM & DISPOSE MAT & EQUIP PER ASSIGN
8026	150 SF	DETECTABLE WARNING SURFACES
8028	14 LF	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8029	32 LF	WOOD SIGN SUPPORTS 4 INCH X 6 INCH
8030	400 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8055	24 SF	INSTALL GROUND MOUNTED SIGN
8056	82 SF	INSTALL OVERHEAD SIGN
8057	4 EA	VIDEO DETECTION CAMERA
8075	6 EA	8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8076	35 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8084	1260 LF	ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG
8085	1300 LF	ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG
8105	8 EA	FURNISH AND INSTALL APS PUSH BUTTON
8106	1 EA	FURNISH AND INSTALL APS CONTROL UNIT

EQUIPMENT LIST 'C'

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO. QTY. DESCRIPTION

NONE
ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

REDLINE REVISION NO. 1:
ADDITION OF APS.
MARCH 05

PROJECT CONTACTS

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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

MD 201 (KENNILWOTH AVE) AT
RIVERDALE ROAD

DRAWN BY: JWB	F.A.P. NO.	TS NO. 708C	SHEET NO.
CHECKED BY: AKB	S.H.A. NO.		
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. G511	OF
DATE: NOVEMBER 2004	LOG MILE: 16020103.80		